

In the Claims:

1. (Cancelled) without prejudice or disclaimer.
2. (Cancelled) without prejudice or disclaimer.
3. (Original) A method of treatment of resin impregnation into manufactured paper to render the paper fire retardant, said method comprising the addition of a fire retardant compound containing borax and diammonium phosphate introduced into said resin.
4. (Previously Presented) A method as claimed in claim 3, wherein the fire retardant compound is added together with sodium hydroxide as a buffer.
5. (Previously Presented) A method as claimed in claim 3, wherein the pH of the fire retardant compound is greater than 9.0 during introduction to the resin.
6. (Original) A method of producing a fire retardant paper comprising introducing a kraft paper to a fire retardant resinous compound containing borax and diammonium phosphate.
7. (Original) A method as claimed in claim 6, wherein a portion of the resinous compound is introduced to the borax and diammonium phosphate during component mixing before addition to the balance of the resinous compound and introduction of the kraft paper thereto.
8. (Previously Presented) A method as claimed in claim 6, wherein the pH of the fire retardant resinous compound is greater than 9.0.

9. (Original) A method as claimed in claim 8, wherein sodium hydroxide is used as a solution buffer to maintain the pH of the fire retardant resinous compound.

10. (Cancelled) without prejudice or disclaimer.

11. (Previously Presented) A method as claimed in claim 4, wherein the pH of the fire retardant compound is greater than 9.0 during introduction to the resin.

12. (Previously Presented) A method as claimed in claim 7, wherein the pH of the fire retardant resinous compound is greater than 9.0.

13. (Previously Presented) A method as claimed in claim 12, wherein sodium hydroxide is used as a solution buffer to maintain the pH of the fire retardant resinous compound.

14. (New) A method of producing an immersible fire retardant paper comprising introducing kraft paper to a fire retardant resinous compound comprising the steps of:

adding borax and diammonium phosphate with a portion of a fire retardant resin to form a partial mixture;

maintaining the pH of said partial mixture at a prescribed level by adding a solution buffer containing sodium hydroxide to form a stabilized partial mixture;

mixing said borax and diammonium phosphate with said solution buffer and portion of the fire retardant resin;

adding the remaining portion of the fire retardant resin to said stabilized partial mixture to form a fire retardant resinous compound; and

impregnating a kraft paper with said fire retardant resinous compound to form an immersible fire retardant paper.

15. (New) A method of claim 14 wherein the step of maintaining the pH of said partial mixture at a prescribed level comprises a pH range between 8.0 – 9.0.

16. (New) A method of claim 14 wherein the step of adding a solution buffer containing sodium hydroxide occurs at the same time as the step of adding borax and diammonium phosphate with a portion of a fire retardant resin.

17. (New) A method of claim 15 wherein the step of adding a solution buffer containing sodium hydroxide occurs at the same time as the step of adding borax and diammonium phosphate with a portion of a fire retardant resin.